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DEPARTMENT OF THE AIR FORCE
WASHINGTON

Control System

OFFICE OF THE SECRETARY

6 March 1963

MEMORANDUM FOR THE CHAIRMAN, COMOR

SUBJECT: Photographic Capabilities

1. On 17 February 1963, the Chairman, COMOR, verbally requested that the NRO provide a summary of the night, camouflage detection and color photographic capabilities available for use as special techniques in photographic reconnaissance over Cuba. Accordingly, the attached data is furnished for the general information of COMOR members.

2. A number of new night, color and camouflage detection techniques are under development for tactical reconnaissance use with the several military services. However, until these techniques are proved to be effective, it would be premature to consider them for operational use.

25X1

Colonel, USAF
Director, NRO Staff

Inclosures
Night Capabilities
Color & CD Capabilities

NRO, USAF Review
Completed.

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Imagery - Unconventional

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Page 1 of 3
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COLOR AND C. D. FILM AVAILABILITY AND PROCESSING CAPABILITY

Limited quantities of color and camouflage detection films are available for use in special interest aerial recce over Cuba. Within the limited film supplies available, the 9 1/2" width is precominant, the remainder being 5" widths. Past requirements for use of such special films have been negligible; therefore, on-hand supplies are limited. A significant increase in requirements for the use of such films would require lead time for manufacture of film and film processing kits. The types of film available are listed below:

Kodak Ektachrome Infra-Red
Aero Film (new type)

Kodak Ektachrome Aero Color Film (new type)

Kodacolor (old type)
Camouflage Detection (old type)

Processing:

Color and CD film exposed on F8U aircraft can be processed at Jacksonville N. A. S. or E. Kodak Company.

Color and CD film exposed on RF101 aircraft can be processed at Wright-Patterson AFB, Ohio, or E. Kodak Company.

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AVAILABLE NIGHT PHOTOGRAPHIC CAPABILITIES

<u>Aircraft Type</u>	<u>Illumination Used</u>	<u>Noise Level of Illumination</u>	<u>OPNL Ceiling</u>
F8U	Flash Cartridge	75mm Cannon	5,000'
RB66	Flash Cartridge	75mm Cannon	5,000'
A3J	Flash Cartridge	75mm Cannon	5,000'
RB66	Photo Flash Bomb	250 lb. H. E.	20,000'
A3J	Photo Flash Bomb	250 lb. H. E.	20,000'

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